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APPLICATION NO.	FILI	NG DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/057,583	01/	/24/2002	Martti Y.O. Kangas	11146	1832	
7	590	08/13/2004		EXAMINER		
Walter A. Rodgers				HWU, DAVIS D		
880 North Island Drive Atlanta, GA 30327				ART UNIT	PAPER NUMBER	
				3752		

DATE MAILED: 08/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	0				
		10/057,583	KANGAS ET AL.	$\sqrt{ f }$				
	Office Action Summary	Examiner	Art Unit	17				
		Davis Hwu	3752					
Period fo	The MAILING DATE of this communication app or Reply		correspondence addre	ess				
THE I - Exter after - If the - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPL'MAILING DATE OF THIS COMMUNICATION. usions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period or to reply within the set or extended period for reply will, by statute the period by the Office later than three months after the mailing the patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tin y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this comn D (35 U.S.C. § 133).	nunication.				
Status								
1)[Responsive to communication(s) filed on <u>08 Ju</u>	<u>une 2004</u> .						
2a)⊠	This action is FINAL . 2b) This action is non-final.							
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.					
Dispositi	on of Claims							
4) 🖂	Claim(s) 1-12 and 19 is/are pending in the app	olication.						
	4a) Of the above claim(s) is/are withdra							
5)🖂	Claim(s) 19 is/are allowed.							
6)⊠	Claim(s) 1-11 is/are rejected.							
7)⊠	Claim(s) 12 is/are objected to.							
8)□	Claim(s) are subject to restriction and/o	r election requirement.						
Applicati	on Papers							
9) 🗌	The specification is objected to by the Examine	er.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).					
	Replacement drawing sheet(s) including the correct							
11)	The oath or declaration is objected to by the Ex	caminer. Note the attached Office	Action or form PTO-	·152.				
Priority u	ınder 35 U.S.C. § 119							
12)	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a))-(d) or (f).					
a)	☐ All b)☐ Some * c)☐ None of:							
	1. Certified copies of the priority document							
	2. Certified copies of the priority document							
	3. Copies of the certified copies of the prio		ed in this National Sta	age				
	application from the International Burea							
* 5	See the attached detailed Office action for a list	or the certified copies not receive	; u.					
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Attachmen	tiel							
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1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
5) Notice of Informal Patent Application (PTO-152)
Paper No(s)/Mail Date _____.

Office Action Summary

Part of Paper No./Mail Date 20040809

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Response to Amendment

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1. Applicant's amendment of June 8, 2004 is acknowledged and entered.

2. Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection.

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 102

4. Claims 1-3, 8, 10, and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Watanabe et al.

Watanabe et al. shows an atomizer comprising a housing, the housing having three inlets, three channels each including a nozzle in communication respectively with the inlets, the inlets comprising a fluid receiving first inlet, a fluid receiving second inlet, a liquid receiving third inlet, one of the channels being an inner channel, the inner channel associated with the third inlet and being uniform in diameter, and the one of the nozzles associated with the inner channel extending outwardly of the housing beyond the other two of the nozzles (see Figure 4 attached herein). Watanabe et al. also shows an angular swirling member 416 coaxially disposed in the housing with respect to the second nozzle as recited in claim 11.

Claim Rejections - 35 USC § 103

5. Claims 4-7 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Watanabe et al.

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Regarding claims 4-7 and 9, it has been held that a recitation respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus satisfying the claimed structural limitations.

Allowable Subject Matter

- 6. Claim 12 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 7. Claim 19 is allowed.

Conclusion

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Davis Hwu whose telephone number is 703-305-1663. The examiner can normally be reached on M-F 7:30 AM to 4:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Y. Mar can be reached on (703)308-2087. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Davis Hwu